

CHAPTER 36
ENERGY EFFICIENCY PLANNING AND REPORTING
FOR NON-RATE-REGULATED GAS AND ELECTRIC UTILITIES

199—36.1(476) Non-rate-regulated utilities. Each non-rate-regulated gas and electric utility shall file energy efficiency plans as provided in this chapter.

199—36.2(476) Definitions. The following words and terms, when used in this chapter, shall have the following meanings:

“*Annual*” means during each calendar year.

“*Demand savings*” means the change in the rate of energy usage measured over a period, which period shall be specified.

“*Dollar savings*” means the reduction in the dollars spent on natural gas or electricity service by customers and by the utility system as the result of the energy efficiency programs.

“*Energy efficiency programs*” means activities conducted by a utility intended to enable or encourage customers to increase the amount of heat, light, cooling, motive power, or other forms of work performed per unit of energy used. Energy efficiency programs also means activities which lessen the amount of heating, cooling, or other forms of work which must be performed, or activities which decrease the cost of providing energy. Examples include, but are not limited to: energy studies or audits, general information, financial assistance, direct rebates to customers or vendors of energy-efficient products, research projects, direct installation by the utility of energy-efficient equipment, direct or indirect load control, and time-of-use rates, tree planting programs, and hot water insulation distribution programs.

“*Energy savings*” means the amount of energy not used because of an energy efficiency program, measured in kilowatt-hours (kWh) of electricity, thousands of cubic feet (Mcf) of natural gas, or dekatherms (dth) of natural gas.

“*Filing year*” means the calendar year during which an energy efficiency plan is filed.

“*Peak demand savings*” means the change in the rate of energy use at the time of the utility’s highest annual use, measured in kilowatts (kW), thousands of cubic feet per day (Mcf/day) of natural gas, or dekatherms per day (dth/day) of natural gas.

“*Year*” means calendar year.

199—36.3(476) Schedule of filings. On or before July 1, 1992, each non-rate-regulated utility shall file its initial biennial energy efficiency plan with the board for the period January 1, 1992, through December 31, 1993. Each non-rate-regulated utility shall file subsequent biennial energy efficiency plans on or before July 1, 1994, and succeeding even-numbered years.

199—36.4(476) Joint filing of plans. A utility may file its plan jointly with other non-rate-regulated utilities or their agents. A joint plan shall contain the information required by rules 36.5(476) and 36.6(476) for each utility participating in the joint plan, whether jointly filed or individually filed. This information for each utility shall be separately identified, if a plan is filed jointly for several utilities by person(s) acting as an agent for the utilities. Those person(s) shall state to the board their authority to act on behalf of the utilities. The description of a utility’s programs as required in paragraph “a” of subrules 36.5(1) and 36.5(2) may be provided by reference to an attached document or a section of a joint plan.

199—36.5(476) Energy efficiency plan requirements. Each utility's energy efficiency plan shall include the following:

36.5(1) A report on the results of all energy efficiency programs the utility has implemented and completed during each of the two calendar years immediately preceding the filing year. Summary information for energy efficiency programs implemented in earlier years and completed prior to the filing year may also be included in the original plan. For each program implemented during the past two calendar years and completed, the following information shall be provided:

- a. A description of the program, including the purpose or goal of the program, and the energy-using facilities, equipment, or customer behavior that the program was designed to change;
- b. Annual energy and peak demand savings, annual dollar savings, and, if available, nonpeak demand savings from the program;
- c. A description of the method(s) for determining the annual energy savings, peak demand savings, nonpeak demand savings, and annual dollar savings, whether engineering estimates, surveys, metering, or other methods;
- d. Annual number of program participants;
- e. Annual and total costs of the program;
- f. Date the program was initiated, terminated, and the reason for termination; and
- g. Other relevant information.

36.5(2) A report on the results and projected results of all energy efficiency programs the utility is continuing or commencing in the filing year or the year following. For those programs continuing, the report shall describe the program results from the two calendar years immediately preceding the filing year and projected results for the filing year and the year following. Summary information for energy efficiency programs implemented in earlier years but still underway may also be included in the original plan. For those programs commencing in the filing year or the year following, the report shall describe projected implementation and results of programs for each of the two years, as well as an optional description of program results beyond the two years. For each program under this subrule, the following information shall be provided:

- a. A description of the program, including the purpose or goal of the program and the energy-using facilities, equipment, or customer behavior that the program is designed to change;
- b. Annual energy and peak demand savings, annual dollar savings, and, if available, nonpeak demand savings from the program;
- c. Projected annual energy and peak demand savings, annual dollar savings, and, if available, nonpeak demand savings from the program;
- d. A description of the method(s) for determining the annual energy savings, peak demand savings, nonpeak demand savings, and annual dollar savings, whether engineering estimates, surveys, metering, or other methods;
- e. A description of the method(s) for projecting the annual energy savings, peak demand savings, nonpeak demand savings, annual dollar savings, whether engineering estimates, surveys, metering, or other methods;
- f. Annual number of program participants and annual estimated number of program participants;
- g. Annual and total costs of the program;
- h. Estimated annual and total cost of program;
- i. Date the program was initiated and planned termination dates; and
- j. Other relevant information.

199—36.6(476) Program selection criteria. Each utility's plan shall include a description of the procedures or criteria used to continue current and to select future energy efficiency programs for implementation.

199—36.7(476) New Structure energy conservation standards. A utility providing gas or electric service shall not provide such service to any structure completed after April 1, 1984, unless the owner or builder of the structure has certified to the utility that the building conforms to the energy conservation requirements adopted under 661—16.801(103A) and 661—16.802(103A). If this compliance is already being certified to a state or local agency, a copy of that certification shall be provided to the utility. If no state or local agency is monitoring compliance with these energy conservation standards, the owner or builder shall certify that the structure complies with the standards by signing a form provided by the utility. No certification will be required for structures that are not heated or cooled by electric service, or are not intended primarily for human occupancy.

199—36.8(476) Exterior flood lighting.

36.8(1) *Newly installed lighting.* All newly installed public utility-owned exterior flood lighting shall be high-pressure sodium lighting or lighting with equivalent or better energy efficiency.

36.8(2) *In-service lighting replacement schedule.* In-service lighting shall be replaced with high-pressure sodium lighting or lighting with equivalent or better energy efficiency when worn out due to ballast or fixture failure for any other reason, such as vandalism or storm damage. Each utility shall file with the board as part of its annual report required in 199—Chapter 23 a report stating progress to date in converting to high-pressure sodium lighting or lighting with equivalent or higher energy efficiency.

36.8(3) *Efficiency standards.* The standard for lighting efficiency shall be expressed in “lumens per watt.” A schedule of lumens per watt, correlated to bulb size, shall be used to reflect the inherent increase in efficiency as bulb size increases. The table of values for lighting efficacy extracted from the Standard Handbook for Electrical Engineers, Donald G. Fink and H. Wayne Beaty, Eds., Twelfth Edition, Table 26-14, shall be the standard for high-pressure sodium street and security lighting, within a 10 percent range below the stated values.

These rules are intended to implement Iowa Code sections 476.1A(6), 476.1B(1) “l,” and 476.2(5) to 476.2(7).

[Filed 1/29/92, Notice 10/30/91—published 2/19/92, effective 3/25/92]

[Filed 10/24/03, Notices 2/5/03, 4/2/03—published 11/12/03, effective 12/17/03]